

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Dr. Mark Hoddle	<b>PERMIT NUMBER:</b>	P526P-18-00576
<b>ORGANIZATION:</b>	University of California	<b>APPLICATION NUMBER:</b>	P526-171218-053
<b>ADDRESS:</b>	900 University Avenue Chapman Hall, Room 108A, Department of Entomology Riverside, CA 92521	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	900 University Avenue Chapman Hall, Room 108A, Department of Entomology Riverside, CA 92521	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	951-827-4714	<b>DATE ISSUED:</b>	02/14/2018
<b>FAX:</b>	951-827-3086	<b>EXPIRES:</b>	<b>02/14/2021</b>
<b>DESTINATION:</b>	Department of Entomology Quarantine Facility, 3401 Watkins Drive, University of California, Riverside, CA 92521		
<b>RELEASE:</b>	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Diaphorencyrtus aligarhensis	Adult, Pupae	Research - Lab	FL, TX	Originally Collected from Foreign Locations	Florida and Texas Laboratory colonies
Tamarixia radiata	Adult, Pupae	Research - Lab	FL, TX	Originally Collected from Foreign Locations	Florida and Texas Laboratory colonies

**PERMIT GUIDANCE**

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to

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<b>Robert Pfannenstiel</b>	<b>02/14/2018</b>

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

[http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml)

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your State's Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take longer to process.

## PERMIT CONDITIONS

### AUTHORIZATIONS

This permit authorizes the interstate movement of Adult and pupal stages of *Diaphorencyrtus aligarhensis* and *Tamarixia radiata*, parasites of the Asian citrus psyllid, *Diaphorina citri*, to the permit holder, Dr. Mark Hoddle, Department of Entomology, University of California, Riverside, CA 92521, for laboratory or field research, subject to the additional conditions below.

The transported material may contain dead and dying (apparently parasitized) life stages (mummies) of the host species, *Diaphorina citri*, and non-propagative host plant parts (leaves, petioles, twigs, stems).

### ADDITIONAL CONDITIONS

#### 1. AUTHORIZATIONS

This permit authorizes the interstate movement of Adult and pupal stages of *Diaphorencyrtus aligarhensis* and *Tamarixia radiata*, parasites of the Asian citrus psyllid, *Diaphorina citri*, to the permit holder, Dr. Mark Hoddle, Department of Entomology, University of California, Riverside, CA 92521, for laboratory or field research, subject to the additional conditions below.

The transported material may contain dead and dying (apparently parasitized) life stages (mummies) of the host species, *Diaphorina citri*, and non-propagative host plant parts (leaves, petioles, twigs, stems).

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2. The permit holder must:
  - (a) comply with all requirements and permit conditions;
  - (b) maintain a valid permit so long as the regulated organisms are received, handled and released;
  - (c) take appropriate precautions to release regulated organisms only at intended release sites;
  - (d) maintain a residence in the United States
  - (e) not assign or transfer this permit to other persons;
  - (f) contain and destroy any/all regulated organisms not authorized under this permit but which are received in error, and;
  - (g) notify the permit unit of such receipt of unauthorized organisms;
  - (h) maintain an official permanent work assignment or affiliation reference the destination address on this permit;
  - (i) notify the permit unit in advance of any change in the permit holder's work assignment or affiliation;
  - (j) destroy or release all remaining live permitted organisms prior to departure or permit expiry unless other arrangements are confirmed by the permit unit prior to the permit holder's departure .

Notifications to the permit unit must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

3. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
4. All individuals of *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* utilized for interstate movement and research must be lab-reared or lab-recovered insects in the adult or pupal stage from field sources (host insects) obtained directly from the domestic colonies or field sites in the States indicated above on this permit.

Lab-sourced material must be reared on material that is free of Huanglongbing (HLB), based on periodic monitoring of the stock used.

Only parasitized and apparently parasitized *Diaphorina citri* (appear as "mummies") and attached plant host material (leaves and parts of leaves, petioles, twigs, stems) are authorized for interstate movement. Mummies that were field collected must minimize the amount of associated host material.

Interstate movement of organisms that were reared or produced at a location outside the continental United States is not authorized.

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5. All packages for transport (including hand carry) must minimally consist of both inner (primary) and outer (secondary) packages securely sealed and escape-proof so that both are effective barriers to escape. More than one inner container may be placed in the secondary container. The inner package(s) shall contain all organisms and must be cushioned and sealed in such a way that it remains sealed during the shock, impact and pressure changes that may occur. When transporting liquid media in the primary container, the secondary container must contain sufficient inert absorbent material to absorb the entire liquid contents of the primary container(s) in case of breakage or leakage. The outer shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

Place a copy of this permit with all shipments.

## 6. RECEIPT AND HANDLING OF REGULATED ARTICLES

All material received interstate under this permit shall initially be received into the USDA APHIS inspected containment facility (Facility # 93) at Department of Entomology Quarantine Facility, 3401 Watkins Drive, University of California, Riverside, CA 92521 for opening and processing of biological and non biological material in the packages.

Upon receipt of interstate package(s) and removal of *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* and "mummies" (along with any necessary host plant parts), all other biological material and substrate, including soil, and other plant material, if any, as well as the primary shipping containers and any packing material media in the primary container, shall be properly disposed of or destroyed immediately. Attached leaf material of mummies received from field collected sources shall be trimmed as much as practical. Procedure for proper disposal or destruction: all material must be double bagged and sterilized by autoclave, "hot box" or other such procedures as established in the SOP's filed with USDA APHIS for this facility CF#93.

Mummies shall be retained in CF 93 for adult parasitoid emergence. Adult *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* received under this permit, and adult *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* derived (reared from) those received under this permit are authorized to be removed from the containment facility #93 for laboratory and field research purposes. Identity of adults shall be confirmed by those with sufficient familiarity of these species of appropriate taxonomic expertise.

7. The permit holder and those he designates are authorized to transport regulated organisms interstate to California by motor vehicle or commercial transportation. The packaging of all such transported material shall meet or exceed the standards described in condition #5 above.
8. The permit holder shall document and retain records of all releases, and make them available to USDA APHIS upon request.

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9. Any interstate distribution of *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* from California requires an additional separate authorization (a PPQ526 Permit) from USDA APHIS. Otherwise adult *Diaphorencyrtus aligarhensis* and *Tamarixia radiata* may be moved within the State of California for research including field research.

**END OF PERMIT CONDITIONS**

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